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an amount effective to inhibit HIV infection of a CD4+ cell and a pharmaceutically acceptable carrier.--

--32. (New) A composition of matter comprising the CD4-gamma2 chimeric heavy chain homodimer of claim 30 and a toxin linked thereto.--

--33. (New) The composition of claim 32, wherein the toxin is the deglycosylated A chain of ricin, domains II or III of Pseudomonas exotoxin A, or Diphtheria toxin.--

--34. (New) A diagnostic reagent comprising the CD4-gamma2 chimeric heavy chain homodimer of claim 30 and a detectable marker linked thereto.--

--35. (New) The diagnostic reagent of claim 34 wherein the detectable marker is a radioisotope, chromophore or fluorophore.--

--36. (New) A CD4-IgG2 chimeric heterotetramer, the heavy chains of which are encoded by the expression vector designated CD4-IgG2HC-pRcCMV (ATCC No. 75193).--

--37. (New) A CD4-IgG2 chimeric heterotetramer, the light chains of which are encoded by the expression vector designated CD4-kLC-pRcCMV (ATCC No. 75194).--

--38. (New) A CD4-IgG2 chimeric heterotetramer, the heavy and the light chains of which are encoded by the expression vector designated CD4-IgG2HC-pRcCMV (ATCC No. 75193) and the expression vector designated CD4-kLC-pRcCMV (ATCC No. 75194), respectively.--

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